

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Canceled)
2. (Previously Presented) The nucleic acid molecule of claim 11, where the nucleic acid molecule is purified from a mammal.
- 3.-10. (Canceled)
11. (Previously Presented) An isolated, enriched, or purified nucleic acid molecule comprising a nucleotide sequence that:
  - (a) encodes a Fibroblast Growth Factor Receptor Protein Kinase Substrate 2 (FRS2) polypeptide having the full length amino acid sequence set forth in SEQ ID NO: 1; or
  - (b) is the complement of the nucleic acid sequence of (a).
12. (Previously Presented) A nucleic acid vector comprising a nucleic acid molecule of claim 11.
13. (Previously Presented) A recombinant cell or tissue comprising a nucleic acid molecule of claim 11.
- 14.-19. (Canceled)
20. (Previously Presented) The nucleic acid molecule of claim 11, wherein said nucleic acid molecule is fused to a nucleic acid molecule encoding a second protein.
21. (Previously Presented) The nucleic acid molecule of claim 20, wherein said second protein is selected from the group consisting of hemagglutinin, GST, maltose binding-protein, or a fragment of any one of said second proteins.
22. (Canceled)

23. (Previously Presented) The nucleic acid molecule of claim 20, wherein said nucleic acid molecule encodes a FRS2 polypeptide having the full length amino acid sequence set forth in SEQ ID NO: 1.

24.-39. (Canceled)